

# PATENT ABSTRACTS OF JAPAN

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## (54) FEED PROMOTOR OF CAT AND ITS PRODUCTION

### (57)Abstract:

PURPOSE: To obtain a feed promoter of cat, having effect, e.g. promoting appetite of cat by blending it into foods of cat and provide a method for producing the promoter.

CONSTITUTION: This feed promoter contains extracted solution obtained from a foliage of cat nip or a foliage of kiwi as an active ingredient. The promoter is obtained by grinding the foliage of raw cat nip or the foliage of raw kiwi with a mixer, adding water in a prescribed amount thereto, gradually heating the foliage up to a prescribed temperature, heating and extracting the foliage, naturally cooling the mixture, filtering the mixture and allowing the resultant filtrate to stand in cold and dark place and removing insoluble component by centrifugal separation.

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**TITLE:** Cat appetite-promoting agent, for addn. to cat food -  
contains extract(s) of catnip and kiwi leaves and stems

**PATENT-ASSIGNEE:** YAMAKAWA R [YAMAI]

**PRIORITY-DATA:** 1995JP-0046294 (February 9, 1995)

**PATENT-FAMILY:**

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**INT-CL (IPC):** A23K001/16, A23K001/18

**ABSTRACTED-PUB-NO:** JP 08214789A

**BASIC-ABSTRACT:**

Agent contains one or more extracts obtd. from leaves and stems of catnip and kiwi as effective component. Also claimed is the prepn. of the agent by mixing the stems and leaves by mixer; adding water to heat gradually; extracting; cooling down to room temp; filtering and removing insol. substances using centrifugal separator. USE/ADVANTAGE - Used by adding to cat food. Agent effectively promotes appetite of cat.

**CHOSEN-** Dwg.0/0

**DRAWING:**

**TITLE-TERMS:** CAT APPETITE PROMOTE AGENT ADD CAT FOOD CONTAIN EXTRACT

KIWI LEAF STEM

DERWENT-CLASS: D13

CPI-CODES: D03-G04;

SECONDARY-ACC-NO:

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(54)【発明の名称】 ネコの食餌促進剤とその製造方法

(57)【要約】

【目的】 ネコのフード類に配合することで、ネコの食欲が増進するなどの効果を有するネコの食餌促進剤とその製造方法の提供を目的とする。

【構成】 前者は、キャットニップの茎葉及びキーウィの茎葉から得られた抽出液を有効成分とするものである。後者は、生キャットニップの茎葉、あるいは生キーウィの茎葉をミキサーで摩碎し、これに所定量の水を加えて、所定温度になるまで徐々に加熱したのち、加熱抽出して、自然冷却後フィルターで済過し得た済液を冷暗所にて静置し、遠心分離で不溶成分を除去するよう構成されている。

1

## 【特許請求の範囲】

【請求項1】 シソ科植物のキャットニップの茎葉及びマタタビ科植物のキーウィの茎葉から得られた抽出液の1種または2種を有効成分とすることを特徴とするネコの食餌促進剤。

【請求項2】 シソ科植物の生キャットニップの茎葉、あるいはマタタビ科植物の生キーウィの茎葉をミキサーで摩碎し、これに所定量の水を加えて、所定温度になるまで徐々に加熱したのち、加熱抽出して、自然冷却後フィルターで済過し得た涙液を冷暗所にて静置し、遠心分離で不溶成分を除去することを特徴とするネコの食餌促進剤の製造方法。

## 【発明の詳細な説明】

## 【0001】

【産業上の利用分野】 本発明は、キャットニップの茎葉及びキーウィの茎葉中の成分を有効成分としたネコの食餌促進剤とその製造方法に関するものである。更に詳しくは、ネコの餌及び飲料に配合することで、食欲が増加し、あるいは偏食を予防することのできる食餌促進剤に関する。

## 【0002】

【従来の技術】 従来、この種のものにあっては、下記のようなものになっている。近年ペットを飼う傾向は増大しており、その中でもネコを飼う家庭が多い。それに伴いキャットフードの種類も多様化している。

## 【0003】

【発明が解決しようとする課題】 従来の技術で述べたものにあっては、下記のような問題点を有していた。キャットフードは人間の味覚、臭覚の見地から調理、製造されており、必ずしもネコが好むものとはなっていない。人間の場合、食物を食べる時よいにおいがすると食欲が高まり、反対に悪いにおいがすると食べる気がしなくなる。同様に動物でも食欲に対するにおいの影響は知られているが、人間と動物の好みのにおいは同一ではなく、動物の種類によって違うことも知られている。よって、人間の食事に使用される調味用のハーブ、スパイス類と同様の効果をもつネコが好む食餌促進剤が望まれていた。従来から、ネコ属が特異的に好むものとしてマタタビが広く知られている。しかし、マタタビは牡ネコが非常に好むが、牝ネコはそれほどでもなく、子ネコは全く無関心である。近年、飼育者はペットの食餌に対して動物がよく好んで食べるペットフードへの関心が高まっている。したがって、ネコの餌及びネコ用の飲料に配合することで牡ネコ、牝ネコ、子ネコの全部が好んで食べることができる必要がある。さらに、同一種の餌のみを摂取することによって起こるネコの病気を防ぐためにも偏食を避けて多種類の餌を食べさせる必要がある。本願は、従来の技術の有するこのような問題点に鑑みなされたものであり、香氣のある植物に注目し、特定の植物の茎葉から牡ネコ、牝ネコ、子ネコの全部が好む抽出物を

2

得ることに成功したものである。

## 【0004】

【課題を解決するための手段】 上記目的を達成するためには、本発明は下記のようになるものである。すなわち、第1発明は、シソ科植物のキャットニップの茎葉及びマタタビ科植物のキーウィの茎葉から得られた抽出液の1種または2種を有効成分とするネコの食餌促進剤である。第2発明は、シソ科植物の生キャットニップの茎葉、あるいはマタタビ科植物の生キーウィの茎葉をミキサーで摩碎し、これに所定量の水を加えて、所定温度になるまで徐々に加熱したのち、加熱抽出して、自然冷却後フィルターで済過し得た涙液を冷暗所にて静置し、遠心分離で不溶成分を除去する構成されたネコの食餌促進剤の製造方法である。

## 【0005】

【作用】 本発明の作用機作は未解決であるが、有効成分中に存在するテルペノイド類が、牡ネコ、牝ネコ、子ネコの全部に特異的に好まれるものと推定される。後述の試験例で示すように、キャットニップの茎葉、およびキーウィの茎葉からの抽出物は、牡ネコ、牝ネコ、子ネコの全部が好むものであり、その効果が実証された。試験目的について説明すると、試験例1では、味、においのない水（蒸留水）に本発明のネコの食餌促進剤を配合することで、当該ネコの食餌促進剤自体が全部のネコが好むことが実証された。試験例2では、同一品種の餌において、本発明のネコの食餌促進剤を配合することで、ネコがより好む食餌になり、食欲が増進することが実証された。試験例3ではネコが嫌う食べ物に本発明のネコの食餌促進剤を配合することで、ネコが好む食べ物になることが実証された。以上の試験結果から、キャットニップの茎葉、およびキーウィの茎葉からの抽出液は、牡ネコ、牝ネコ、子ネコの全部が好むものであり、食欲を増進させ、さらに偏食を予防する食餌促進剤としての効果が実証された。本発明の各種製品に対する配合量は、一般に0.1～5%重量（%）で、好ましくは0.5～3%重量（%）である。

## 【0006】

【実施例】 実施例について説明する。ネコの食餌促進剤は下記のように構成されている。シソ科植物のキャットニップの茎葉、及びマタタビ科植物のキーウィの茎葉から得られた抽出液で構成されている。

## 【0007】

ネコの食餌促進剤の製造方法は下記のように構成されている。

実施例1～シソ科植物の生キャットニップ（和名：イヌハッカ）の茎葉1kgをミキサーで摩碎し、10kgの水を加えて、60℃になるまで徐々に加熱する。60℃で20分間加熱抽出して、自然冷却後フィルターで済過する。得られた涙液を冷暗所にて4℃で12時間静置し、遠心分離で不溶成分を除去して、ネコの食餌促進剤7.8kgを得る。

実施例2～マタタヒ科植物の生キーウィの茎葉1kgをミキサーで摩碎し、10kgの水を加えて、60℃になるまで徐々に加熱する。60℃で20分間加熱抽出して、自然冷却後フィルターで済過する。得られた済液を冷暗所にて4℃で12時間静置し、遠心分離で不溶成分を除去して、ネコの食餌促進剤7.5kgを得る。

【0008】試験例1～実施例で得た抽出液を用いて以下の試験を行った。先ず、蒸留水200ccに本発明の抽出液4gを配合し、陶製の容器に入れた。対照品は蒸留水のみを用いた。次に、本発明のネコの食餌促進剤入りの水の容器と、水のみの容器を並べて配置し、種類の違う牡ネコ2匹、牝ネコ2匹、子ネコ2匹を個別に一匹ずつ放して任意に飲ませた。結果、6匹全てのネコが本発明のネコの食餌促進剤配合の水を飲み、対照品の水には全く無関心で水は飲まなかった。試験は、キャットニップ抽出液、キーウィ抽出液の両方で行い、同様の結果を得た。

試験例2～実施例で得た抽出液を用いて以下の試験を行った。市販品の魚類主体のキャットフードを20gずつに分けて、一方には本発明の抽出液0.6gを配合し、対照品はそのまま用いた。次に、本発明のネコの食餌促進剤入りのキャットフードと対照品入りの容器を並べて配置し、種類の違う牡ネコ3匹、牝ネコ3匹、子ネコ3匹を個別に一匹ずつ放して任意に食べさせた結果、牡、牝、子ネコ計9匹の全てが本発明のネコの食餌促進剤入りのキャットフードを選択し食べた。対照品には全ての

ネコが全く無関心であり、食べなかった。試験は、キャットニップ抽出液、キーウィ抽出液の両方で行い、同様の結果を得た。

試験例3～香氣の強いバセリジュースを用いて、ネコが嫌う飲料に本発明の抽出液を配合した場合の試験を以下のように行った。先ず、バセリジュース100gをプラスチック製の容器に入れて、種類の違う牡ネコ3匹、牝ネコ3匹、子ネコ3匹を個別に一匹ずつ放して任意に飲ませた結果、容器に近付きにおいてかいだ後、全てのネコが飲まなかった。次に、バセリジュースに本発明の抽出液3gを配合して同じように飲ませた結果、容器に近付き、においてかいだ後、全てのネコが飲んだ。試験は、キャットニップ抽出液、キーウィ抽出液の両方で行い、同様の結果を得た。

#### 【0009】

【発明の効果】本発明は、上述の通り構成されているので次に記載する効果を奏する。キャットニップの茎葉、キーウィの茎葉とともにハーブティー、健康茶として人間が利用しているものであり、本発明の食餌促進剤は、ネコのフード類に配合しての利用は全く心配のないものである。本発明のネコの食餌促進剤をネコのフード類に配合することで、ネコの食欲が増進する。更に、ネコの嫌うフード類に本発明のネコの食餌促進剤を配合することで、ネコが好んで食べるようになるので、偏食を防ぐことができる。

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DETAILED DESCRIPTION

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[Detailed Description of the Invention]

[0001]

[Industrial Application] This invention relates to the diet accelerator and its manufacture approach of the cat which made the active principle the component in the forage of catnip, and the forage of a kiwi. Furthermore, in detail, it is blending with the food and the drink of a cat, and is related with the diet accelerator which appetite increases or can prevent an unbalanced diet.

[0002]

[Description of the Prior Art] It is the following if it is in this kind of thing conventionally. There are many homes which the inclination to keep a pet is increasing in recent years, and keep a cat also in it. The class of cat food is also diversified in connection with it.

[0003]

[Problem(s) to be Solved by the Invention] It had the following troubles, if it was in some which were stated by the Prior art. Cat food is cooked and manufactured from the standpoint of human being's taste and olfaction, and the cat does not necessarily like it. In the case of human being, if there is a good smell in the time of eating food, appetite will increase, and it will not feel like eating, if there is a smell bad on the contrary. Although the effect of following an animal to appetite similarly is known, the favorite smell of human being and an animal is not the same, and changing with classes of animal is also known. Therefore, a diet accelerator which a cat with the same effectiveness as the herb for seasoning used for human being's meal and speiss likes was desired. From the former, the silvervine is widely known as what Felis likes specifically. However, although a male cat likes a silvervine very much, a \*\* cat is not like it, either and the child cat is completely indifferent. In recent years, the interest about the pet food which an animal likes a raiser well to a pet's diet, and is eaten is increasing. Therefore, by blending with the food of a cat, and the drink for cats, all of a male cat, a \*\* cat, and child cats are fond, and eat. Furthermore, also in order to prevent the illness of the cat which happens by taking in only the food of the same kind, it is necessary to avoid an unbalanced diet and to make the food of varieties eaten. This application is made in view of such a trouble that a Prior art has, and succeeds in obtaining the extract which all of a male cat, a \*\* cat, and child cats like from the forage of specific vegetation paying attention to vegetation with aroma.

[0004]

[Means for Solving the Problem] This invention is as follows in order to attain the above-

mentioned purpose. That is, the 1st invention is the diet accelerator of the cat which makes an active principle one sort of the extract obtained from the forage of the cat nip of the Lamiaceae vegetation, and the forage of the kiwi of the Actinidiaceae vegetation, or two sorts. the 2nd invention -- the forage of the raw cat nip of the Lamiaceae vegetation, or the forage of the raw kiwi of the Actinidiaceae vegetation -- a mixer -- grinding -- this -- the water of the specified quantity -- in addition, after heating gradually until it becomes predetermined temperature, it is the manufacture approach of the diet accelerator of the cat constituted so that a heating extract might be carried out, the filtrate which could be filtered with the filter after natural air cooling might be put in a cool place and an insoluble element might be removed by centrifugal separation.

[0005]

[Function] Although the operation mechanism of this invention is unsolved, the terpenes which exist in an active principle are presumed to be what is specifically liked by all of a male cat, a \*\* cat, and child cats. As the below-mentioned example of a trial showed, all of a male cat, a \*\* cat, and child cats like the extract from the forage of cat nip, and the forage of a kiwi, and the effectiveness was proved. Explanation of the trial purpose proved that the diet accelerator of the cat concerned itself was [ all cats ] fond in the example 1 of a trial by blending the diet accelerator of the cat of this invention with water (distilled water) without the taste and a smell. In the food of the same form, it was proved by the example 2 of a trial that a cat becomes the diet liked more and appetite is increased by blending the diet accelerator of the cat of this invention. Becoming the food which a cat likes by blending the diet accelerator of the cat of this invention with the food which a cat dislikes was proved by the example 3 of a trial. All of a male cat, a \*\* cat, and child cats like the extract from [ from the above test result ] the forage of cat nip, and the forage of a kiwi, appetite was promoted, and the effectiveness as a diet accelerator which prevents an unbalanced diet further was proved. Generally the loadings to the various products of this invention are 0.1 - 5% weight (%), and are 0.5 - 3% weight (%) preferably.

[0006]

[Example] An example is explained. The diet accelerator of a cat is constituted as follows. It consists of extracts obtained from the forage of the cat nip of the Lamiaceae vegetation, and the forage of the kiwi of the Actinidiaceae vegetation.

[0007] The manufacture approach of the diet accelerator of a cat is constituted as follows. 1kg of forage of the raw cat nip (Japanese name: catnip) of an example 1 - the Lamiaceae vegetation is ground by the mixer, and 10kg water is added, and it heats gradually until it becomes 60 degrees C. A heating extract is carried out for 20 minutes at 60 degrees C, and it filters with the filter after natural air cooling. The obtained filtrate is put at 4 degrees C in a cool place for 12 hours, an insoluble element is removed by centrifugal separation, and 7.8kg of diet accelerators of a cat is obtained.

1kg of forage of the raw kiwi of an example 2 - the Actinidiaceae vegetation is ground by the mixer, and 10kg water is added, and it heats gradually until it becomes 60 degrees C. A heating extract is carried out for 20 minutes at 60 degrees C, and it filters with the filter after natural air cooling. The obtained filtrate is put at 4 degrees C in a cool place for 12 hours, an insoluble element is removed by centrifugal separation, and 7.5kg of diet accelerators of a cat is obtained.

[0008] The following trials were performed using the extract obtained in the example 1 of

a trial - the example. First, 4g of extracts of this invention was blended with 200 cc of distilled water, and it put into the ceramic container. The contrast article used only distilled water. Next, the container of the water of the cat of this invention entering a diet accelerator and the container of only water have been arranged side by side, it released at a time two male cats from which a class is different, two \*\* cats, and two child cat [ one ] according to the individual, and arbitration was made to drink. A result and the cats of all six animals drank the water of diet accelerator combination of the cat of this invention, it was completely indifferent to the water of a contrast article, and water was not drunk. The trial was performed by both the cat nip extract and the kiwi extract, and the same result was obtained.

The following trials were performed using the extract obtained in the example 2 of a trial - the example. The cat food of the fishes subject of a commercial item was divided [ 20g ], 0.6g of extracts of this invention was blended with each one side, and the contrast article was used as it was. Next, the cat food of the cat of this invention entering a diet accelerator and the container containing a contrast article have been arranged side by side, and as a result of releasing at a time three male cats from which a class is different, three \*\* cats, and three child cat [ one ] according to an individual and making arbitration eat, all of a total of males, \*\*, and nine child cats chose and ate the cat food of the cat of this invention entering a diet accelerator. Cats are [ no ] completely indifferent to a contrast article, and ate in it. The trial was performed by both the cat nip extract and the kiwi extract, and the same result was obtained.

The trial at the time of blending the extract of this invention with the drink which a cat dislikes using parsley juice with strong example 3 of a trial - aroma was performed as follows. First, parsley juice 100g was put into the container made from plastics, and no cats drank, after approaching the container and smelling a smell, as a result of releasing at a time three male cats from which a class is different, three \*\* cats, and three child cat [ one ] according to an individual and making arbitration drink. Next, all the cats drank, after approaching the container and smelling a smell, as a result of blending 3g of extracts of this invention with parsley juice and giving similarly. The trial was performed by both the cat nip extract and the kiwi extract, and the same result was obtained.

[0009]

[Effect of the Invention] Since this invention is constituted as above-mentioned, it does so the effectiveness indicated below. The use which human being uses the forage of cat nip and the forage of a kiwi as herb tea and health tea, and blends the diet accelerator of this invention with the hoods of a cat is what it is completely anxious about that is not. By blending with the hoods of a cat, the appetite of a cat increases the diet accelerator of the cat of this invention. Furthermore, since a cat is fond and it comes to eat by blending the diet accelerator of the cat of this invention with the hoods which a cat dislikes, an unbalanced diet can be prevented.

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[Translation done.]

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CLAIMS

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## [Claim(s)]

[Claim 1] The diet accelerator of the cat characterized by making into an active principle one sort of the extract obtained from the forage of the cat nip of the Lamiaceae vegetation, and the forage of the kiwi of the Actinidiaceae vegetation, or two sorts.

[Claim 2] the forage of the raw cat nip of the Lamiaceae vegetation, or the forage of the raw kiwi of the Actinidiaceae vegetation -- a mixer -- grinding -- this -- the water of the specified quantity -- in addition, the manufacture approach of the diet accelerator of the cat characterized by carrying out a heating extract, putting the filtrate which could be filtered with the filter after natural air cooling in a cool place, and removing an insoluble element by centrifugal separation after heating gradually until it becomes predetermined temperature.

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[Translation done.]